

# EMERGENCY ESCAPE TOOL FOR VEHICLE

## BACKGROUND OF THE INVENTION

### 1. Field of the Invention

5           The present invention relates to a tool, and more particularly to a tool for helping people escaping from a vehicle while emergency.

### 2. Description of the Related Art

          While a car accident happens, driver and passages have to release the seat belts and open the doors for escape from the car. If the car has a serious damage, the  
10   seat belts might jam and the door might be unable to open that make people in the car can not escape.

          FIG. 7 shows a conventional emergency escape tool 70 having a hammer 71 on a handle of which a clipper 72 is detachably mounted. While the doors are unable to open, people break the windows by the hammer 71 and cut the seat belt off by the  
15   clipper 72.

          FIG. 8 shows another conventional tool, which has a hammer 81, a cutting device 82, a whistle 83, a sticking device 84 and a lighting device 85. Such tool has several functions to be operated by people but still has a problem of that the cutting device 82 is easy to be damaged when people hammer the windows by the hammer 81.

20           People grip the aforesaid tools in the way as same as the way of gripping a hammer such that people has to weave the forearm for a larger distance to crash the window. But there is no enough space in the car for such weaving.

## SUMMARY OF THE INVENTION

25           The primary objective of the present invention is to provide an emergency

escape tool, which helps people in a vehicle easy to escape after an accident happened.

The secondary objective of the present invention is to provide an emergency escape tool, which further has functions of lighting, noising and storage.

According to the objective of the present invention, a emergency escape tool  
5 comprises a main member, a cutting device having a blade which is provided on an end  
of the main member, and a hammer provided on the main member at an end opposite  
from the cutting device is.

### **BRIEF DESCRIPTION OF THE DRAWINGS**

10 FIG. 1 is a perspective view of a preferred embodiment of the present  
invention;

FIG. 2 is an exploded view of the preferred embodiment of the present  
invention;

FIG. 3 is a perspective view of the clip and the holder;

15 FIG. 4 is a front perspective view of the preferred embodiment of the present  
invention;

FIG. 5 is a back perspective view of the preferred embodiment of the present  
invention;

FIG. 6 is a perspective view, showing the emergency escape tool being  
20 :mounted on the seat belt of the vehicle;

FIG. 7 is a perspective view of the first type of the prior art, and

FIG. 8 is a perspective view of the second type of the prior art.

### **DETAILED DESCRIPTION OF THE INVENTION**

25 As shown in FIG. 1 and FIG. 2, an emergency escape tool for vehicles of the

preferred embodiment of the present invention comprises:

A main member 10 has a recess 11 and a hole 12, wherein in the recess 11 is able to store medicines, emergency cards and so on and a cover 13 is detachably mounted on the main member 10 to cover the recess 11. The main member 10 is provided with two pieces 14 respectively on opposite sides thereof to make people  
5 gripping the main member comfortably and with the function of skidproof.

A hammer 20 is mounted on an end of the main member 10. The hammer 20 has an impacting portion that is substantially parallel to an elongated axle of the main member 10. A cover 15 is detachably mounted on the end of the main member 10 to  
10 shield the hammer 20.

A cutting device 30 has a blade 31 mounted on the main member 10 at the end opposite from the hammer 20. The blade 31 has a cutting portion that is substantially perpendicular to the elongated axle of the main member 10. A cover 16 is detachably mounted on the main member 10 to shield the blade 31.

15 A whistle 40 is received in the hole 12 of the main member 10. The whistle 40 is provided with a light emitting device 41 which a button 42 is mounted on the whistle 41 to be pressed to turn the light emitting device 42 on and off.

A clip 50 is detachably mounted on a back of the main member 10 to fasten the emergency escape tool of the present invention on a seat belt 100 of a vehicle as  
20 shown in FIG. 6.

As shown in FIGS from FIG. 3 to FIG. 5, the clip 50 has two bent inwards mounting portions 51. Under the mounting portions 51, the belt 100 runs through and the mounting portions 51 are provided with teeth to grip the belt 100. The clip 50 is provided with two arms 52 respectively on the mounting portions 51. The arms 52 are  
25 flexible to clip lateral sides of the main member 10. One of the arms 52 has a hook 53

on a distal end thereof and on a back of the clip 50 is provided with a hook 54. A holder 55, which is made by an annular bar, has hooking portions at opposite ends thereof to be hooked by the hooks 53 and 54. The holder 55 can be replaced by a flexible O-ring.

5           With the structure of the emergency escape tool as mentioned above, the tool of the present invention is fastened on the belt 100 of the vehicle such that the driver can reach the tool easily for escape while emergency. The driver cut the belt 100 off by the cutting device 30, crash the window by the hammer 20 call for help by the whistle 40. The cutting device 30 is provided on the main member 10 at the end opposite from  
10 the hammer 20 that prevent the cutting device 30 from damage while hammering the window by the hammer 20. The user grips the main member 10 in a way of the hammer 20 left out of the palm at the side of the little finger is. Such way of gripping the tool of the present invention decreases the distance of weaving but still has enough power to crash the window. The whistle 40 is provided with the light emitting device  
15 42 that make the whistle has both functions of noising and lighting. The recess 11 of the main member 10 can store personal medicines and card on which is the personal information such as blood type, personal disease history and so on.